

**Notice of Allowability**

Application No.

10/607,241

Examiner

Tarifur R Chowdhury

Applicant(s)

HWANG, YUN HO

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to election filed on 10/29/04.
2. ☒ The allowed claim(s) is/are 1-21.
3. ☒ The drawings filed on 27 June 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 10/28/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ms. Rebecca Goldman Rudich on January 04, 2005.

The application has been amended as follows:

In claim 1, line 7, "the upper case" has been changed to --an upper case--.

In claim 12, line 9, "the upper case" has been changed to --an upper case--.

***Election/Restrictions***

2. After further reviewing the restriction requirement mailed on 09/29/04, the examiner is hereby withdrawing the restriction requirement and thus all the claims 1-21 are examined on the merits.

***Allowable Subject Matter***

3. Claims 1-21 are allowed.

4. The following is an examiner's statement of reasons for allowance:

5. The prior arts of record do not anticipate or render obvious to one skilled in the art an LCD mold frame assembly comprising various elements as claimed, more specifically a plurality of connection plate coupling parts corresponding to PCBs attached to the rear side of the main frame, wherein the connection plate coupling parts are integral to the main frame along edges of the main frame and a plurality of ground connection plates coupled to the plurality of connection plate coupling parts, for grounding ground terminals of the PCBs to an upper case.

1. USPAT 6,667,780 discloses an LCD frame assembly. USPAT 6,587,355 discloses a liquid crystal display module that is adaptive for improving ground connection between a printed circuit board and a ground plate. USPAT 6,587,166 discloses a liquid crystal display assembly including a mold frame having an integral gate PCB receiving portion, and a source PCB receiving portion. USPAT 6,583,831 discloses a liquid crystal display device capable of preventing a grounding clip, which is combined to an end of a mold frame to ground a printed circuit board to a chassis from making electrical contact with a display unit. USPAT 6,473,146 discloses a liquid

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crystal display device in which a plurality of grounding protrusion are formed in a region not having a signal transmission pattern among the bottom surface of a printed circuit board in contact with a bottom chassis. However, all of the prior arts alone or in combination with any other prior arts fail to teach or suggest the claimed LCD mold frame assembly wherein a plurality of connection plate coupling parts are integrally formed along the edges of the main frame and corresponds to PCB s attached to the rear side of the main frame and a plurality of ground connection plates coupled to the plurality of connection plate coupling parts for grounding ground terminals of the PCBs to an upper case.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

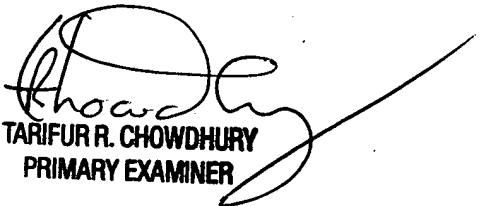
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tarifur R Chowdhury whose telephone number is (571) 272-2287. The examiner can normally be reached on M-Th (6:30-5:00) Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TRC  
January 04, 2005



TARIFUR R. CHOWDHURY  
PRIMARY EXAMINER